2/03/04

PTO/SB/08A (10-01)
Approved for use through 10/31/2002, OMB 0551-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO **Application Number** INFORMATION DISCLOSURE February 3, 2004 Filing Date First Named Inventor STATEMENT BY APPLICANT Cudmore, Julian Art Unit (use as many sheets as necessary) 504 Examiner Name Attorney Docket Number Sheet 102.0027

			U.S. PATI	ENT DOCUMENTS	
Examiner. Initials		Document Number Number - Kind Cade ² (if known		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
77		us- 2003/0015320	01/23/2003	Crossiey	
		US-			
		US-			
	<u> </u>	US-			
		us-			
		US-			
	<u> </u>	US-		<u> </u>	
		US-			
		US- ·			
		US-			
	l	US-			
		US-			
	<u> </u>	US-			
		US-			
		US-			
		US-			
	 -	US-			
		US-			
		US-			
	l _	US-		<u> </u>	

FOREIGN PATENT DOCUMENTS									
Examiner Initials		Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (2 known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ			
						ı			
						Γ			
						r			
						╌			
						-			
						-			
						 			
				<u></u>		H			
						ļ_			

Examiner Signature	Frac	15	Date Considered	1/12/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English tanguage Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/088 (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

. U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute fe	or form 1449B/PTO			Complete if Known			
			OL OCUPE	Application Number	10/770,918		
INFOR	CIVIATION	DIS	CLOSURE	Filing Date	February 3, 2004		
STATI	EMENT R	Υ Δ	PPLICANT	First Named Inventor	Cudmore, Julian		
ייאוטן			LIOAIII	Group Art Unit	3672		
	(use as many sh	eets a:	s necessary)	Examiner Name	Tay		
Sheet	2	of	3	Attorney Docket Number	102.0027		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.1	include name of the author (in CAPITAL LETTERS), (ille of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), dete, page(s), volume-issue number(s), publisher, city and/or country where published.	T2			
4		R. STINSON, "The Use of Systems Analysis in the Design of a Gas-Lift System", SPE 17584, November 1,1988, 6 pp., Tianjin, China				
7		W.J.G.J DER KINDEREN, el al., "Real-Time Artificial Lift Optimization", SPE 49463, October 11, 1998, 10 pp., Abu Dhabi, U.A.E.				
		Y.C. CHIA, et al., "Gas Lift Optimization Efforts and Challenges", SPE 57313, October 25, 1999, 9 pp., Kuata Lumpur, Malaysia				
		M.L. LITVAK, et al., "Prudhoe Bay É-Field Production Optimization System Based on Integrated Reservoir and Facility Simulation", SPE 77643, September 29, 2002, 11 pp., San Antonio, Texas, U.S.A				
		P. WANG, et al., "Optimization of Production Operations in Petroleum Fields", SPE 77658, September 29, 2002,12 pp., San Antonio, Texas, U.S.A				
		A.L. PODIO, et al., "Advances in Surface Measurements for Optimization of Artificial Lift Operations", SPE 77895, October 8, 2002, 11 pp., Melbourne, Australia				
		D. REEVES, et al., "Gas Lift Automation: Real Time Data to Desktop for Optimizing an Offshore GOM Platform", SPE 84166, October 5, 2003, 13 pp., Denver, Colorado, U.S.A				
		BIOCOMP SYSTEMS, INC., * IntelliDynamics Gas Lift*, July 31, 2003, 2 pp. Opt 1m1 24 +1077				
		EPRODUCTION SOLUTIONS, "Gas Lift Optimization Solution", January 30, 2004, 7 pp.				
		JPT ONLINE, "Gas Lift Automation: Real-Time Data to Desktop", November 2003, 4 pp.				
4		WINGLUE, *Gas-Lift Surveillance Program*, no date, 2pp.				

Tunaniana .		lone l	
Examiner		Date	1/12-/1/
Signature		Considered	112/16
Signature	<u> </u>	Considered	1 10

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{&#}x27;EXAMINER: Initial II reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute (for form 14498/PT(0		Complete if Known			
INFO	THE A TICE	LDIC	CLOCUPE	Application Number	10/770,918		
INLO	AUI AIVIS	צוע א	CLOSURE	Filing Date	/February 3, 2004		
STATI	EMENT E	3Y A	PPLICANT	First Named Inventor	Cudmore, Julian		
I - ''' ''		, .		Group Art Unit	2672		
	(use as many s	heets a	s necessary)	Examiner Name	Teach		
Sheet 3 of 3		Attorney Docket Number	102.0027				

	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS									
Examiner Initials	Cile No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ltem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Ţ ²							
1		PROMORE, A CORE LABORATORIES COMPANY, "Gas Lift Remote Monitoring and Control System", no date, 1 p.								
		A.R. ALMEIDA, et al., "Continuous gas lift performance analysis", World Oil, September 1998, 6 pp.								
		A.A. HADY, "The Use of a Multiphase Flow Meter to Optimize Gas Lift Well Operations", International Business Communications, March 18, 1998, 7 pp.								
1		L. HESTER, "Advances in Automation Improve Gas Lift Oil Production", Emerson Process Management, February 27, 2003, 6 pp.								
	· .									
ļ. 										
		•								

Examiner Signature	Frac	15	•	Date . Considered	1/	12/06

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.